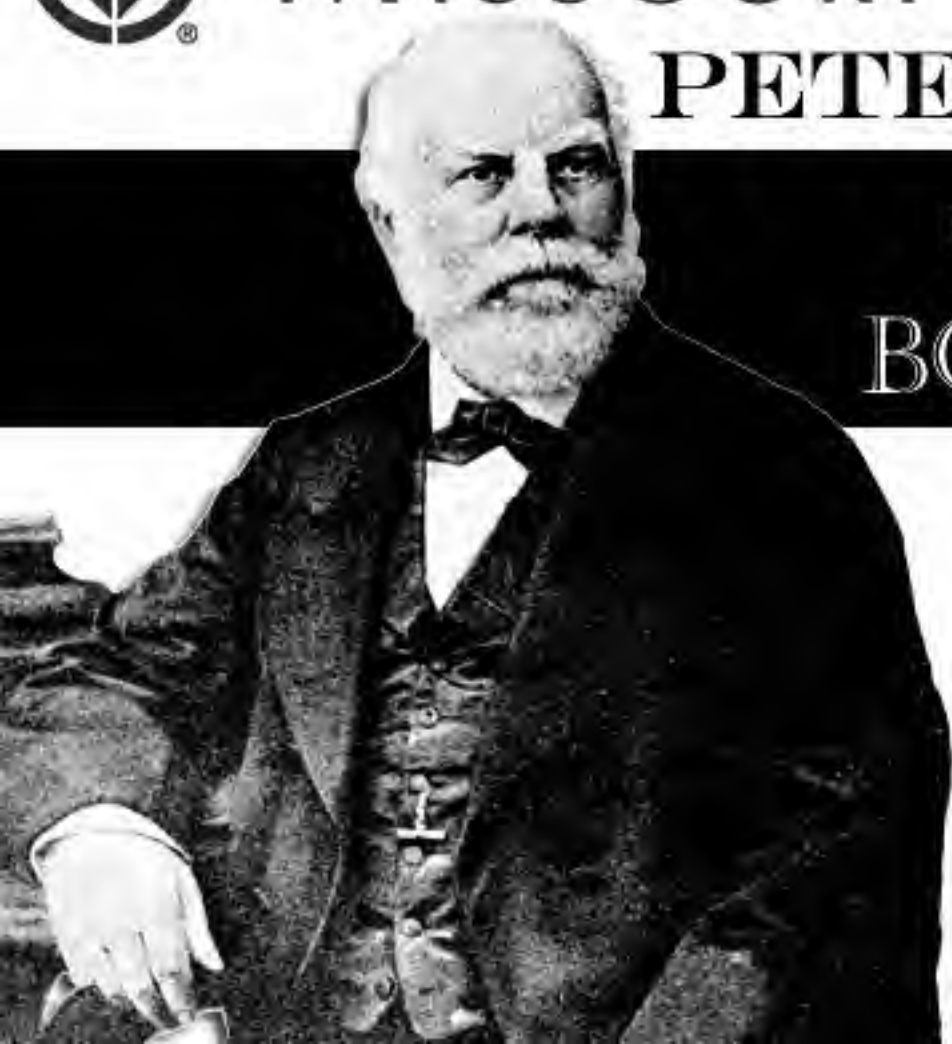




# MISSOURI BOTANICAL GARDEN PETER H. RAVEN

GEORGE ENGELMANN  
BOTANICAL



*Since  
page  
online  
nu*

51. 8  
Euph. divisa  
Mex. v. Aschenborn  
- herb. reg. Berol.



view from behind.

styles simpliciter, acutis

anther?

caule prostrato; pubescent  
petiolis

foliis oblongis, ovatis, glaberrimis  
obtusis subintegris!

caps & invol. pubescent

bracteis villosis spatulatis

This is ~~E.~~

~~Schauer~~



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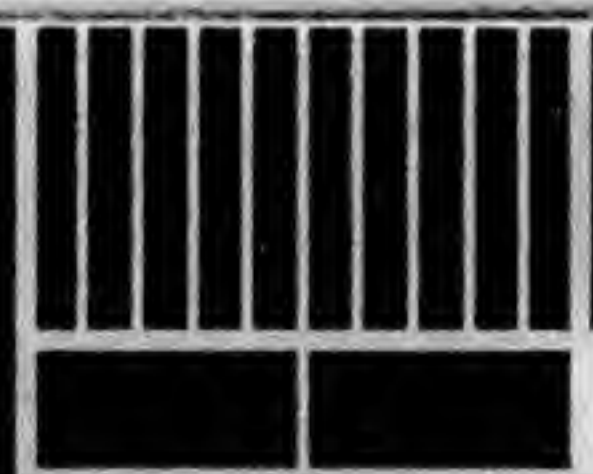
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31-a

*Euph. D. D. S. a*

31 Siberian Hawthorn



Same number  
in other herb is  
*E. orthoceras*

anterior glands very small,  
inappreciable - post. min  
winged etc

style, united at base  
bifid at apex

leaves oblique, serrate both  
sides - serrate



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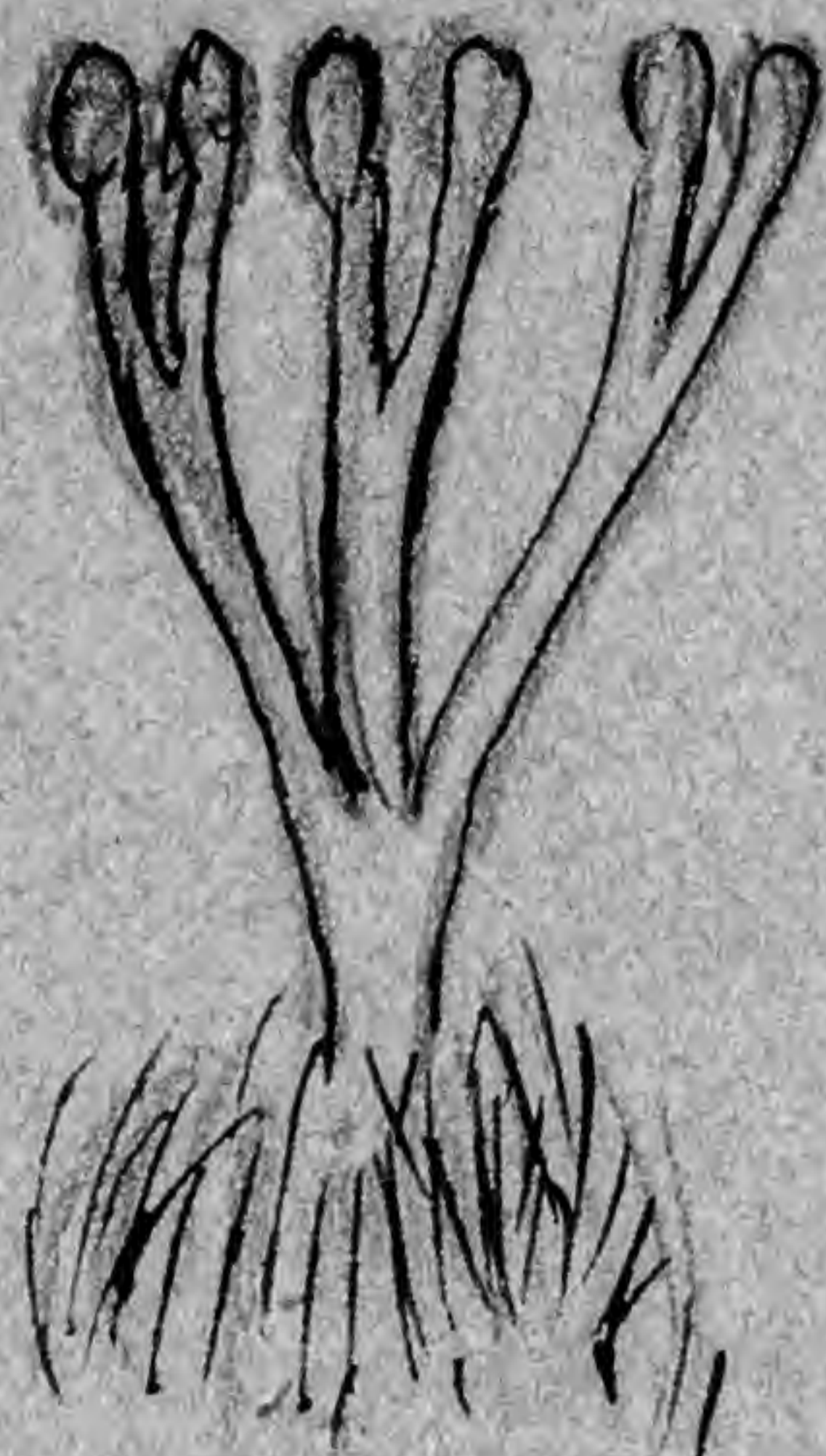
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11. a

*Euph. divica*

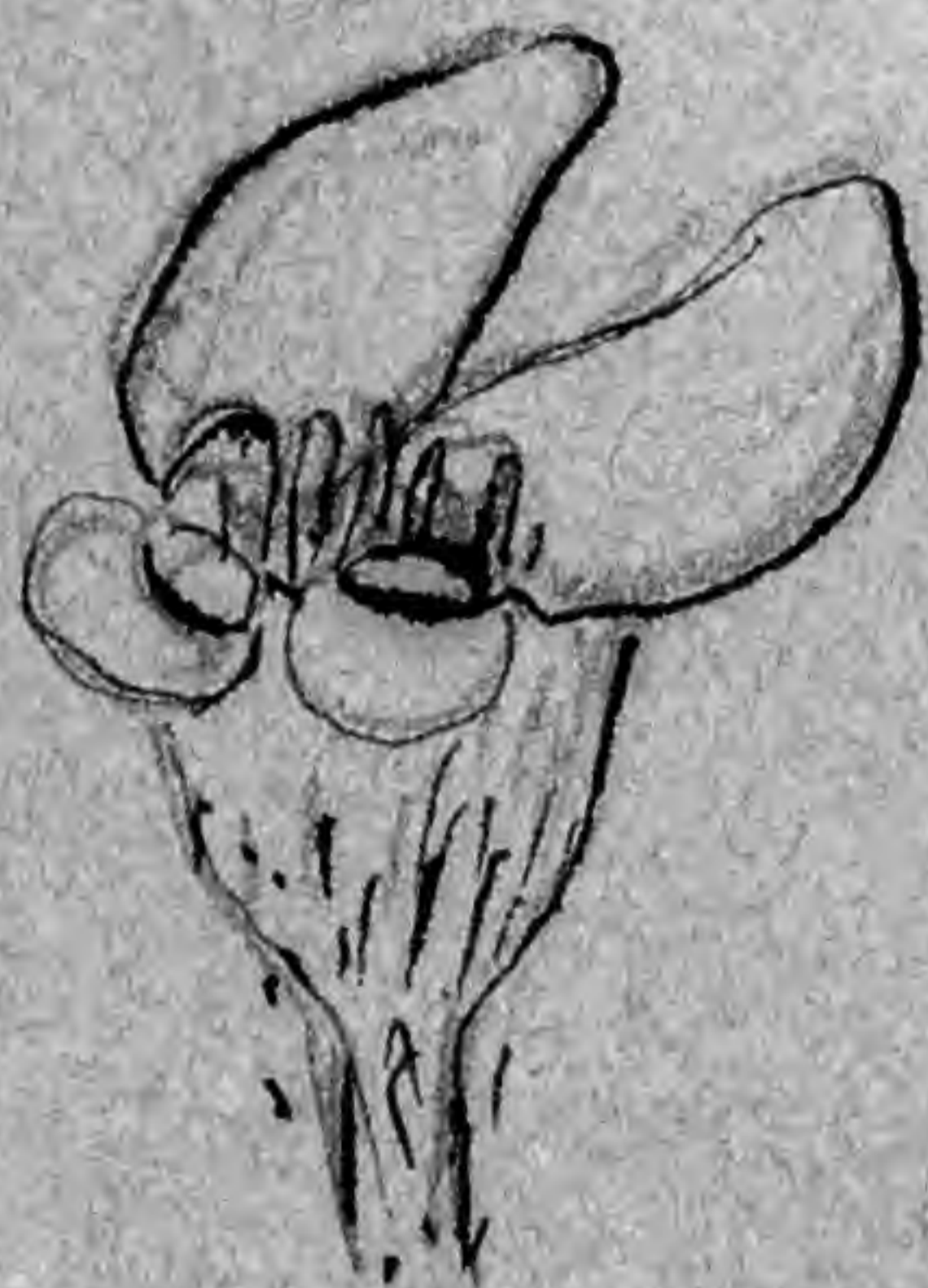


Seed 0.35-0.4

*Euph. divica* "Mexico"

Ex herb. gen. Paris.

plants none *divica*, and fl. masculi  
maiori (sub 5)



*E. divica* HBK

Bonpland's own specimen  
in herb. gen. Paris

6-10 mile flowering but  
no trace of a female  
flower - about 10 in volume  
examined.

anthers - each 0.4 l. long without  
the wings



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31



Euph. divisa

~~fl. recurv.~~

N. 9290 Herb. ~~drilled~~

sub. n. n.

"E. multiflora"

no doubt the original  
Humboldtian species

foliis longe pubescentibus

ovatis

serotinis

acutis



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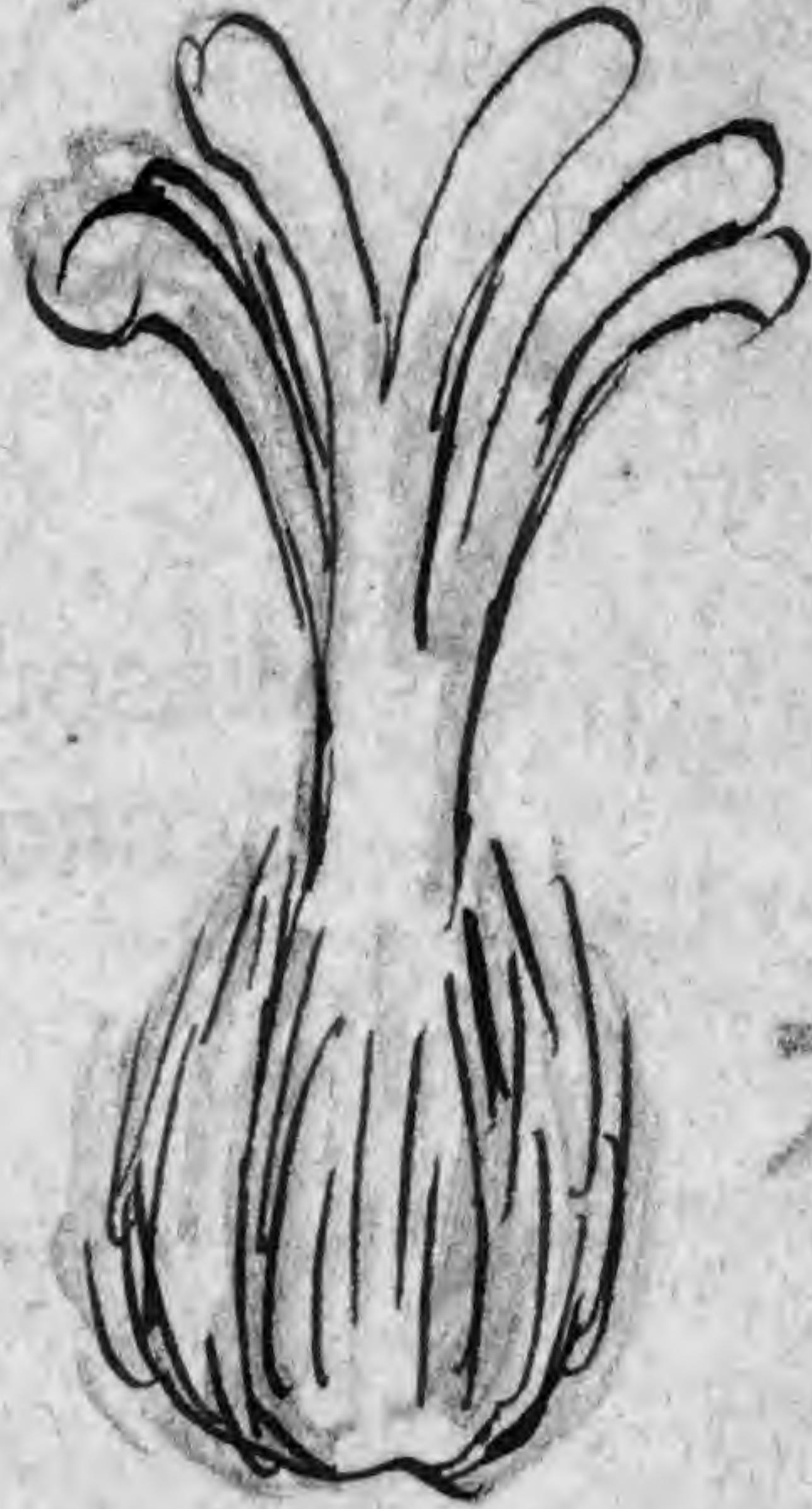
cm

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31a

*E. diptera gamostyla* = ancepsBlodgett. in herb  
Key west

Torr

Anceps

Prostrata canescenti pubescente  
 Folia e basi <sup>marginibus</sup> valde oblique  
 cordata late ovatis  
 obtusis crenatis

Stipulis subulatis <sup>fimbriatis</sup> <sup>hemisphaer</sup>

Indurcorum <sup>canescentibus</sup>

Glabris late <sup>alb</sup> marginatis

marginibus posterioribus  
 nullis <sup>marginibus</sup>

(crenulatis)

stylis basi connatis  $\frac{1}{3}$

$\frac{1}{2}$  brevibus stylis clavellatis

vru



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*Stemona unguis* 3



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*ovario <sup>cavo</sup> ~~scissile~~ albid*



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31. a.

Gray 862

*E. diptera gamostyla*

Seed 0.45 x 0.3 = aneeps  
Denth

ovate sharp angled  
with strong cross grooves  
about 6

glands smooth  
appendages hairy  
underneath

hairy especially on the anterior  
side



perianth deciduous

petals 5 - base oblique

cordata ovate s. oblongis

venatis obtusis utraque

as peris

stylis appendiculis

stylis with short divisions



0 1 2 3 4 5 6 7 8 9 10

cm

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31, p 8/12 Gray 8/12 E. dip ~~in~~ fissile

seed acute angled, cross

furrowed, furrows about

6; angles entire <sup>or very slightly</sup> ~~notched~~

~~0.4-0.5 x 0.5~~  
~~0.45-0.5~~

Capsule hairy obtuse angled



Densely rooted - from a thick  
(the pencil?) root leaves

1-1 1/2" upper spatulate

seed = Wright's pink

but stigma!! elongate  
deeply bifid.

20/1/19

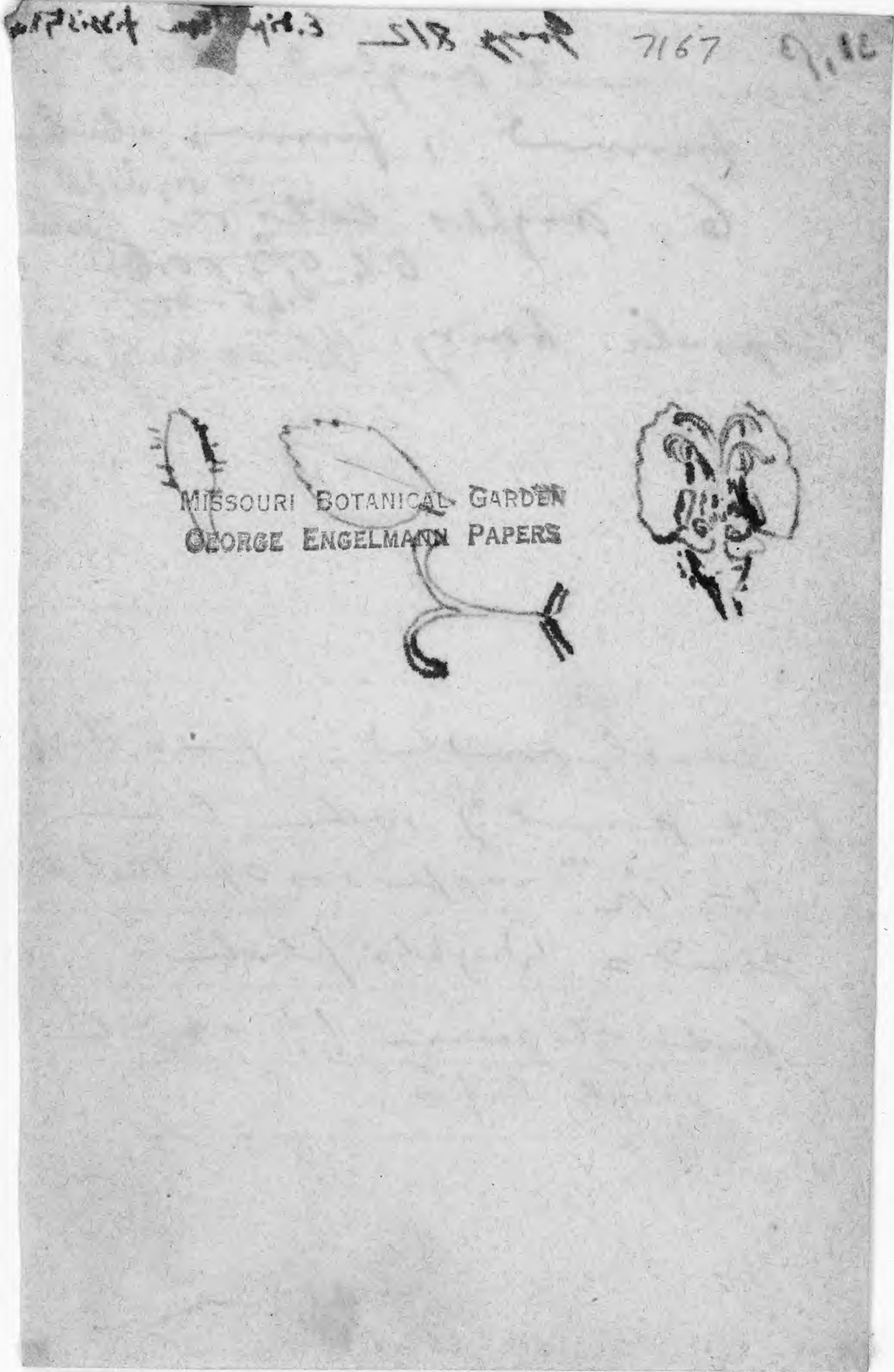


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31.8

E. dipteris  
var.



Coastal 1447, (c) <sup>in part</sup>

Sierran. But  
seems much smaller,  
only 0.3 —

styles with 2 heads!

Appendages much fringed



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cm

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7168

Y 16



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*Handwritten text, mostly illegible due to fading and crossing out. Visible fragments include:*  
*from the ...*  
*all ...*  
*one ...*  
*most ...*



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

31. 8

*E. edipetala*

0.5



Wright 1845

*Annua decumbens pubesc.*  
 foliis e basi oblique cordatis  
 ovatis s. subovatis serratis  
 super glabris subtus pilosis  
 glomerulis paucifloris latenter  
 stip. subulatis pilosis  
 Anthod. nov. glandulis  
 dorso fissis glandulis <sup>apertis</sup> ~~hiis~~ <sup>apertis</sup>  
 quae portendunt "nulla longis  
 ovibus inaequaliter alaeformibus.  
 stylis filiformibus indivisis  
 ovum carnosum superantibus  
 capsula probrum  
 sem. anguste acuta  
 crenate angulatis, rimulis  
 profundis transversis  
 exaratis.



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cm

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8.12



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21814 y 1842



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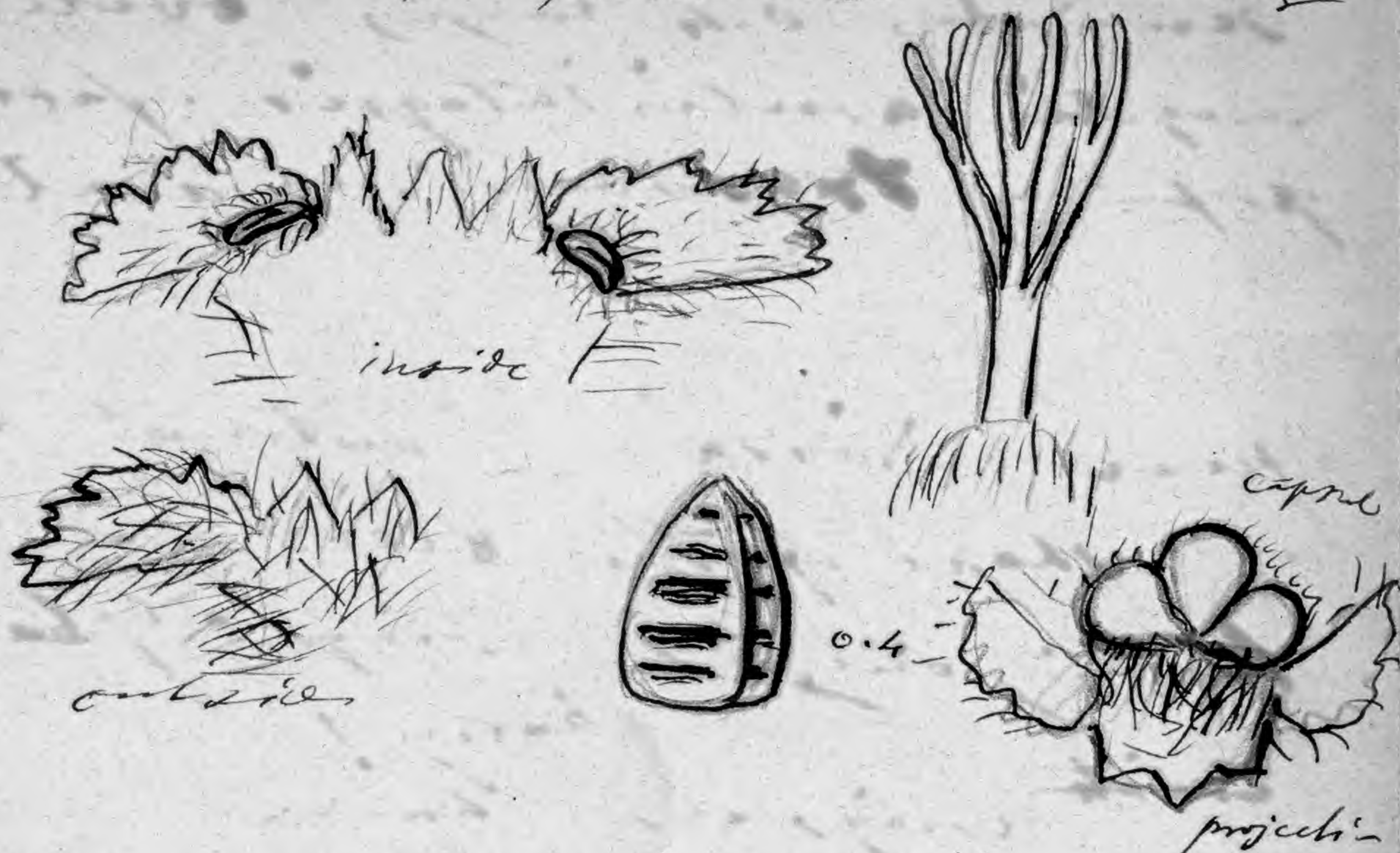
316.

*A. densiflora*

*Euph. densiflora* Klug. p. 28  
Mexico, Schiede

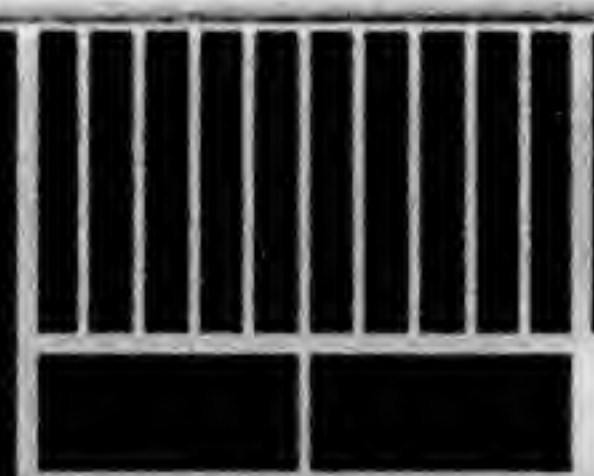
" in h. 6. 389 "

& Ehrenberg



I can not find the C. L. T. ion!

anthera, erecto-patula, rudis  
bifaria pillosa  
foliis ovatis <sup>oblongis</sup> ~~caulibus~~ <sup>venatis</sup> serratis pilosis  
- n. nudis;  
anthodis in glomerulos spiciformes  
latentes, bracteis ciliatis stipites  
antissime confertis  
involucris dense profunde fissis,  
5 partitis, lobis 3 tantum vix triangularibus  
2 posterius glandulis 2 bilobatis  
longitatis gerentibus, villosas  
appendicibus pilosis alaeformibus dentatis  
stylis  $\frac{1}{3}$  bifidis, basi connatis  
ovarii longioribus;  
capsula postice adpresso puberula, outside



0 1 2 3 4 5 6 7 8 9 10  
cm

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ovum involucri cavitate  
oblongum!

seminibus 0.4 longis, ovatis  
angulis acutis integris; ferebatur  
profunde **transversim** exaratis;

near *Doria* — distinct by  
the shape of the seeds and by  
having only 2 wing glands  
~~with~~ wings also hairy!  
flowers still more clustered,  
seeds broader, edges entire  
but perhaps only a variety!

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cm

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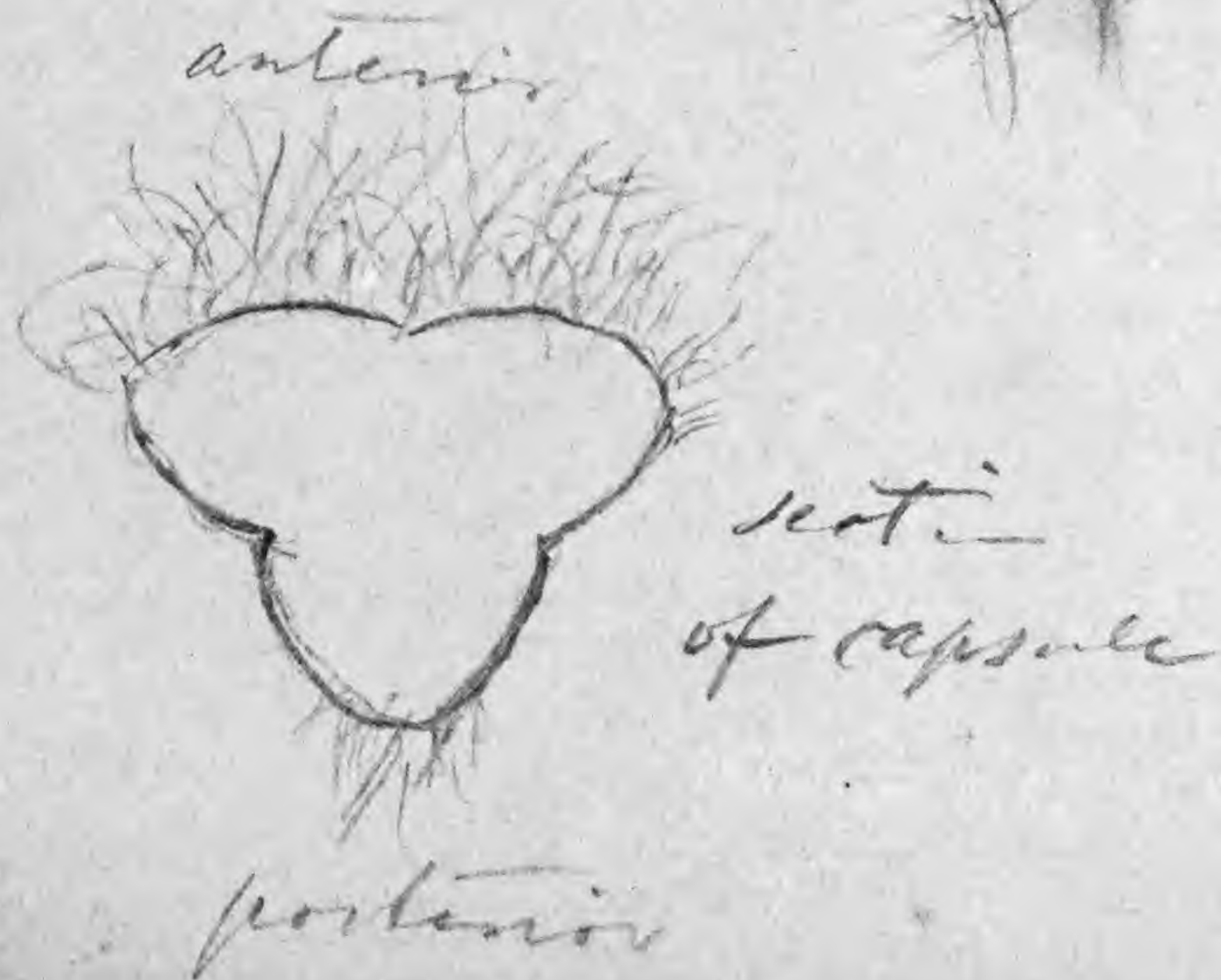
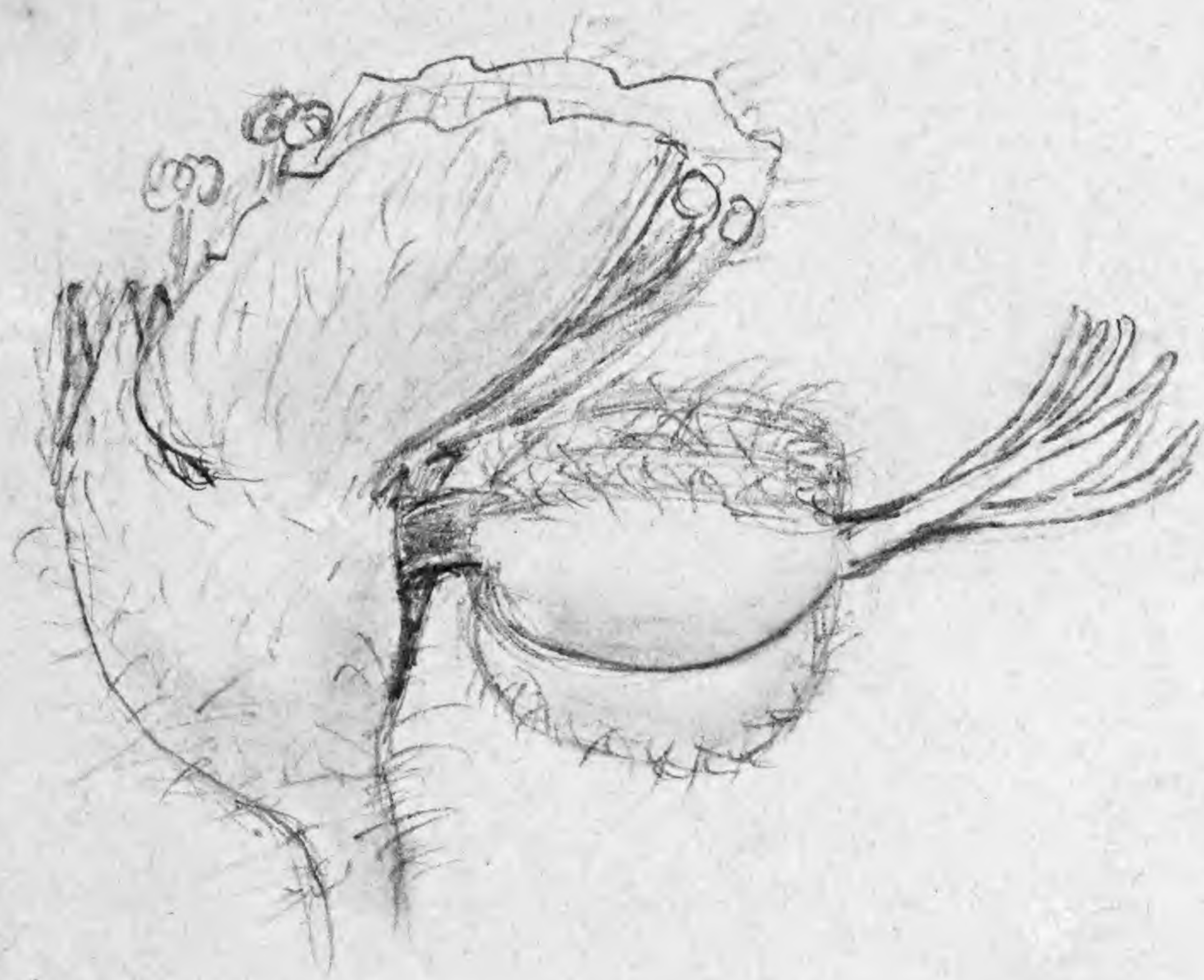


MISSOURI  
BOTANICAL  
GARDEN

N. 251 Evendenberg

Feb 1861

x 20



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BOTANICAL  
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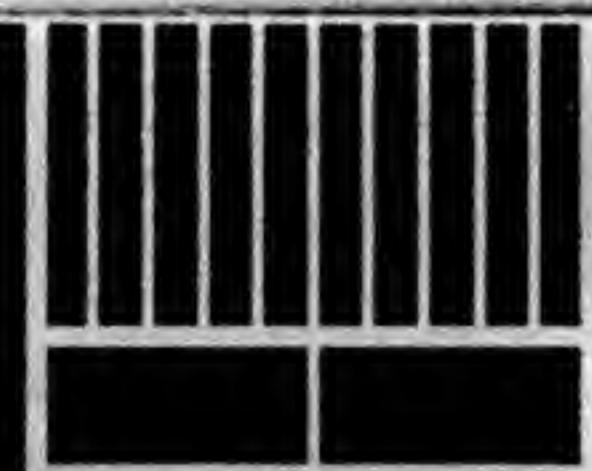
M. W. ALEXANDER,

SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,

ST. LOUIS.

MISSOURI BOTANICAL GARDEN  
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7171



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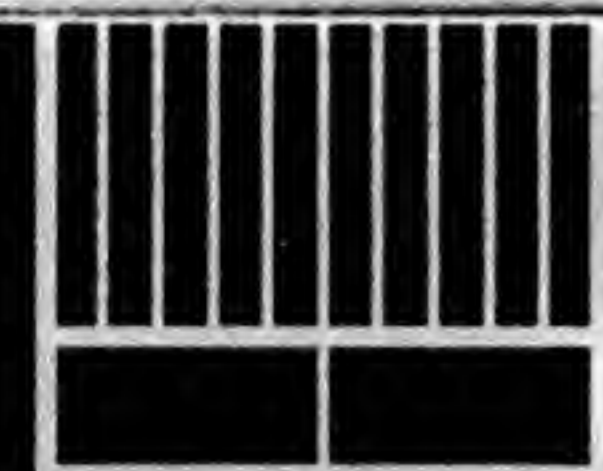
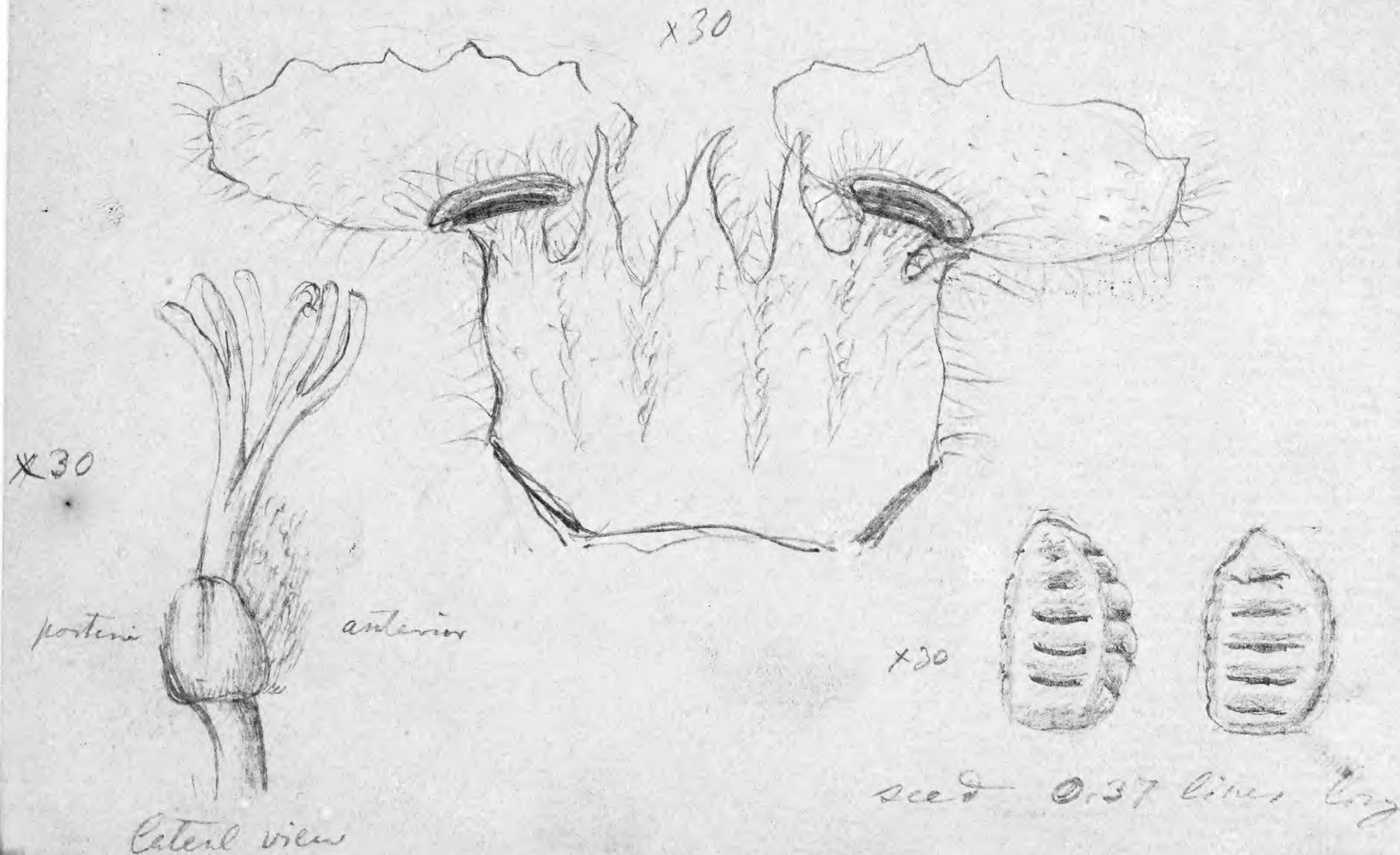
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GARDEN

N<sup>o</sup> 251 Ervendberg leg. 1858. Mex:co,  
= *A. densiflorum* Kl & Griseb p. 28. prov. Huasteca

Febr 1861



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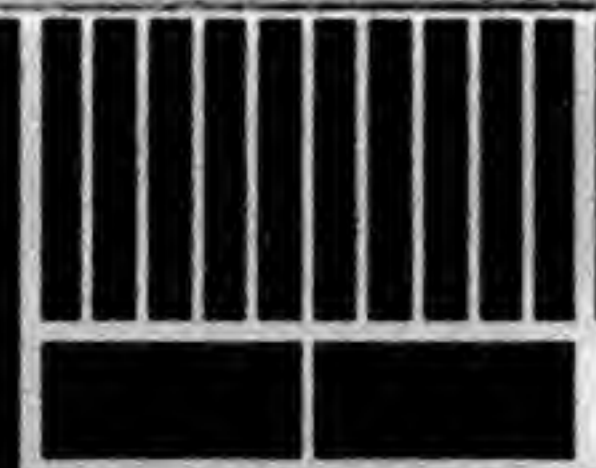


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BOTANICAL  
GARDEN

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SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,  
ST. LOUIS.

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GARDEN

167

316

*Euph. tetensis* Kl. in

Peters Reisen

Mozambique

607



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

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cm

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GARDEN

31.6.

sub integrifol

*C. sellowsii* Kl.

Peter Reise, Mozambique.



gibbosa a

fol. integrifol

app. pilat

sem. transversa foeculit.

aff. convolvul. sem. fl. 2cm diam.



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GARDEN

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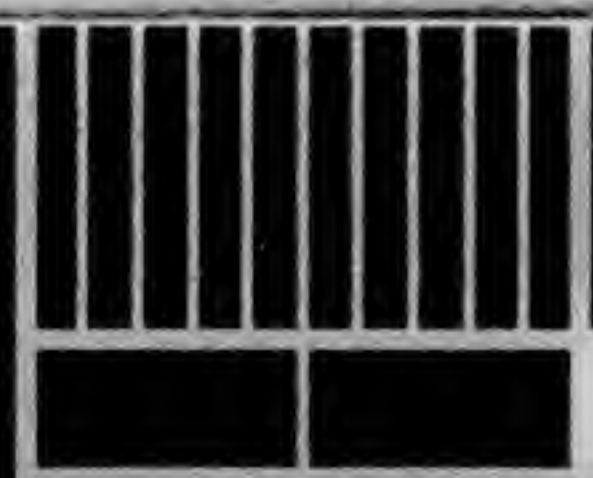
168

245

*Euph. rosea* Rehb  
saturatior Lam Diet.

Jas. or.  
Ceylon

602-4



0 1 2 3 4 5 6 7 8 9 10

cm

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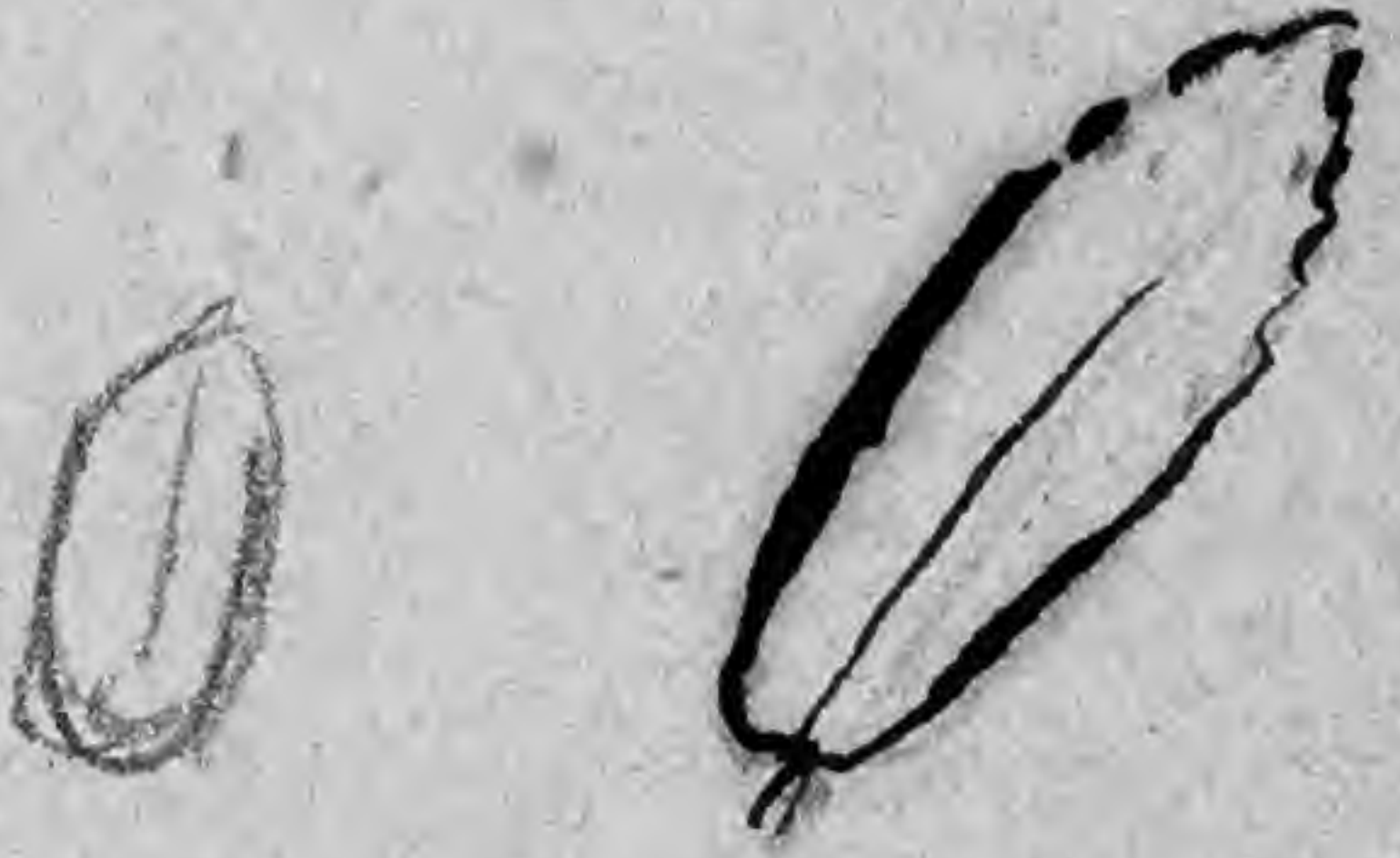
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29. 23.  
168

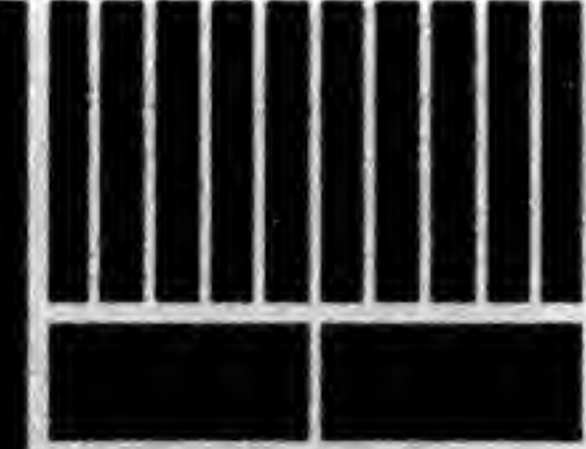
29  
11

= nov. 11  
seeds  
Mexican *Euphorbia scabrella*  
n. sp.

madras. 1835. Ind. or.  
J. Campbell  
in hb. Glessner.



*Diffusa glaberrima* caule scabullo  
versus apicem pubescentem,  
foliis oblongis, sed oblongo-linearibus,  
serratis, versus apicem  
breviter serratis, supra glabris,  
subtus scabulis punctatis  
stipulis ovatis triangularibus  
fimbriatis  
glomerulis lateralibus densifloris  
anthodis scabulis glandulis  
natis s. in anthodis paucis  
(centralibus, prima evolutis ?)  
late albo-appressulatis  
filamentis defloratis exsertis  
stylis oblongis ad apicem bifidis  
ramis clavellatis



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cm

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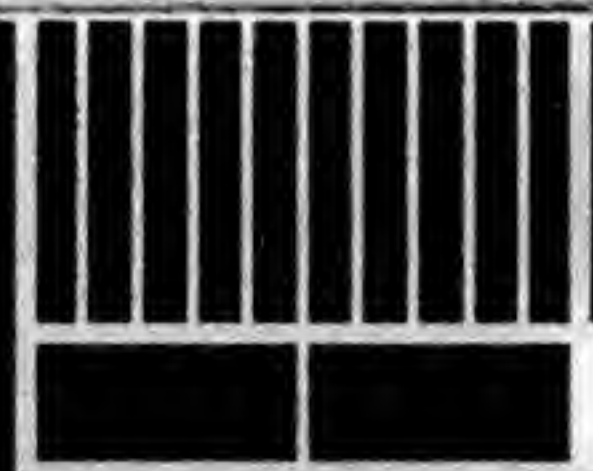
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capitula angulis acutis  
puberulis

seminibus parvis ovatis  
obtusangulis laevibus

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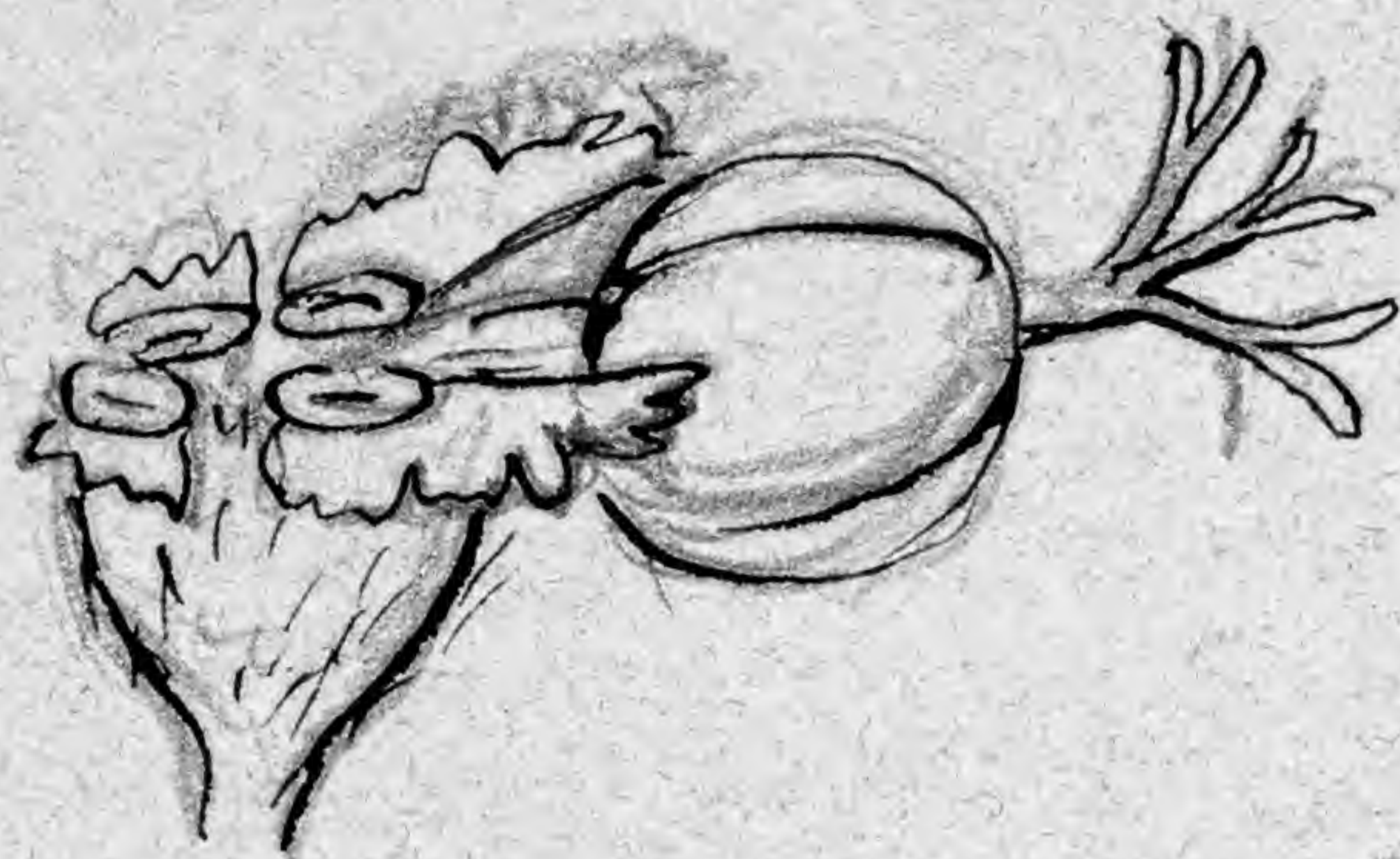
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24 C

Rosa Rafz



0.6"



Rosa

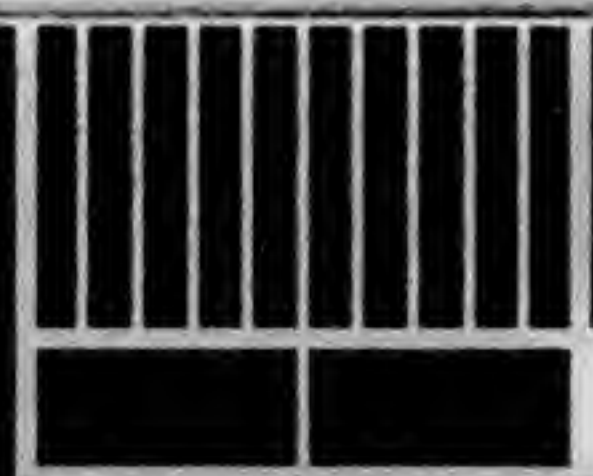
H. B. K.

ramulis, glabris, sub  
ramulis, antherisque  
subpuberulis

whole difference is in the  
venate wings!

not all the flowers have  
the large wings! it seems  
that the later ones have more  
equally appressed glab

ramiferae, vestigial like Chamae  
fl. glomerata at end of branch  
(Munich)



0 1 2 3 4 5 6 7 8 9 10

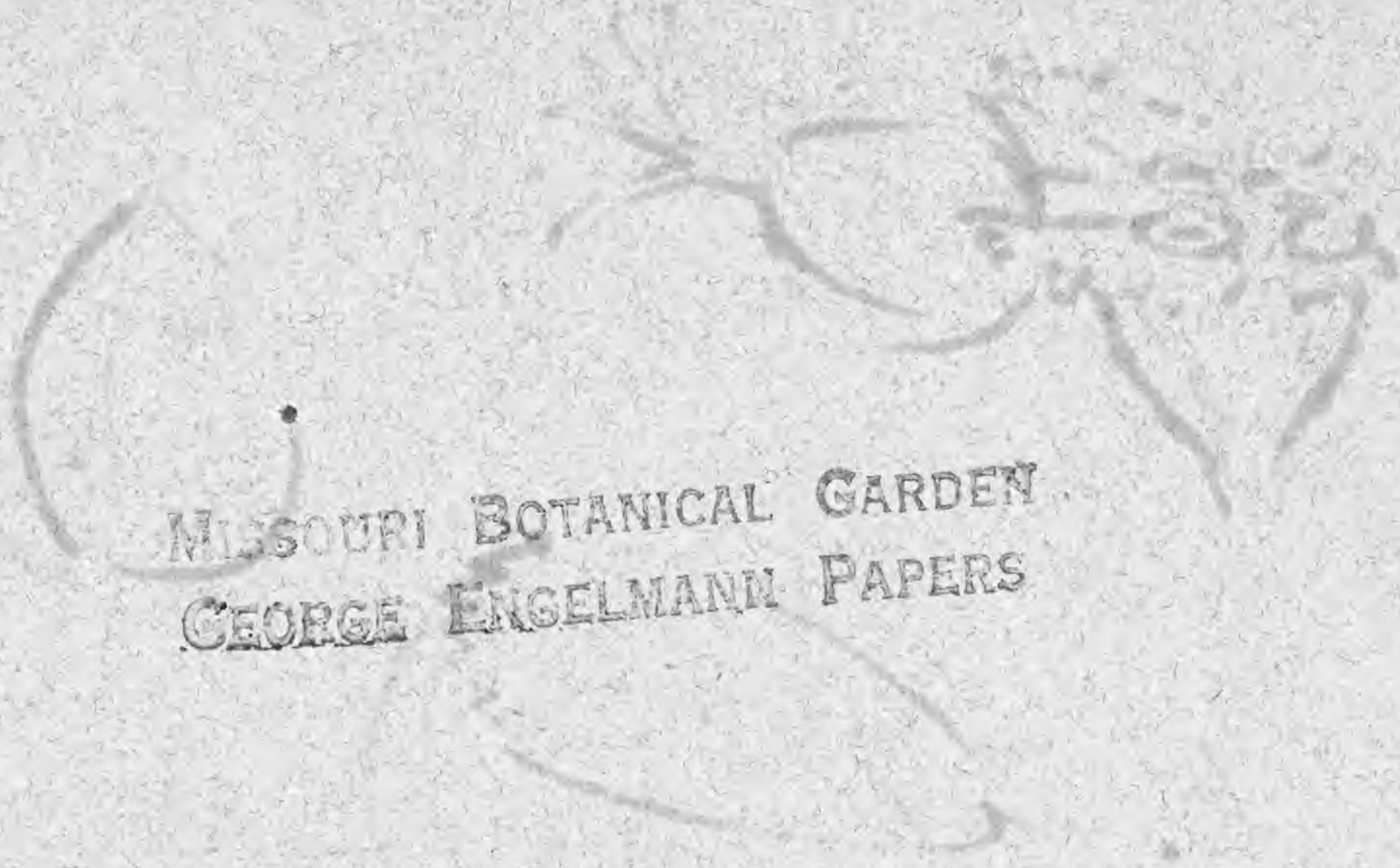
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*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



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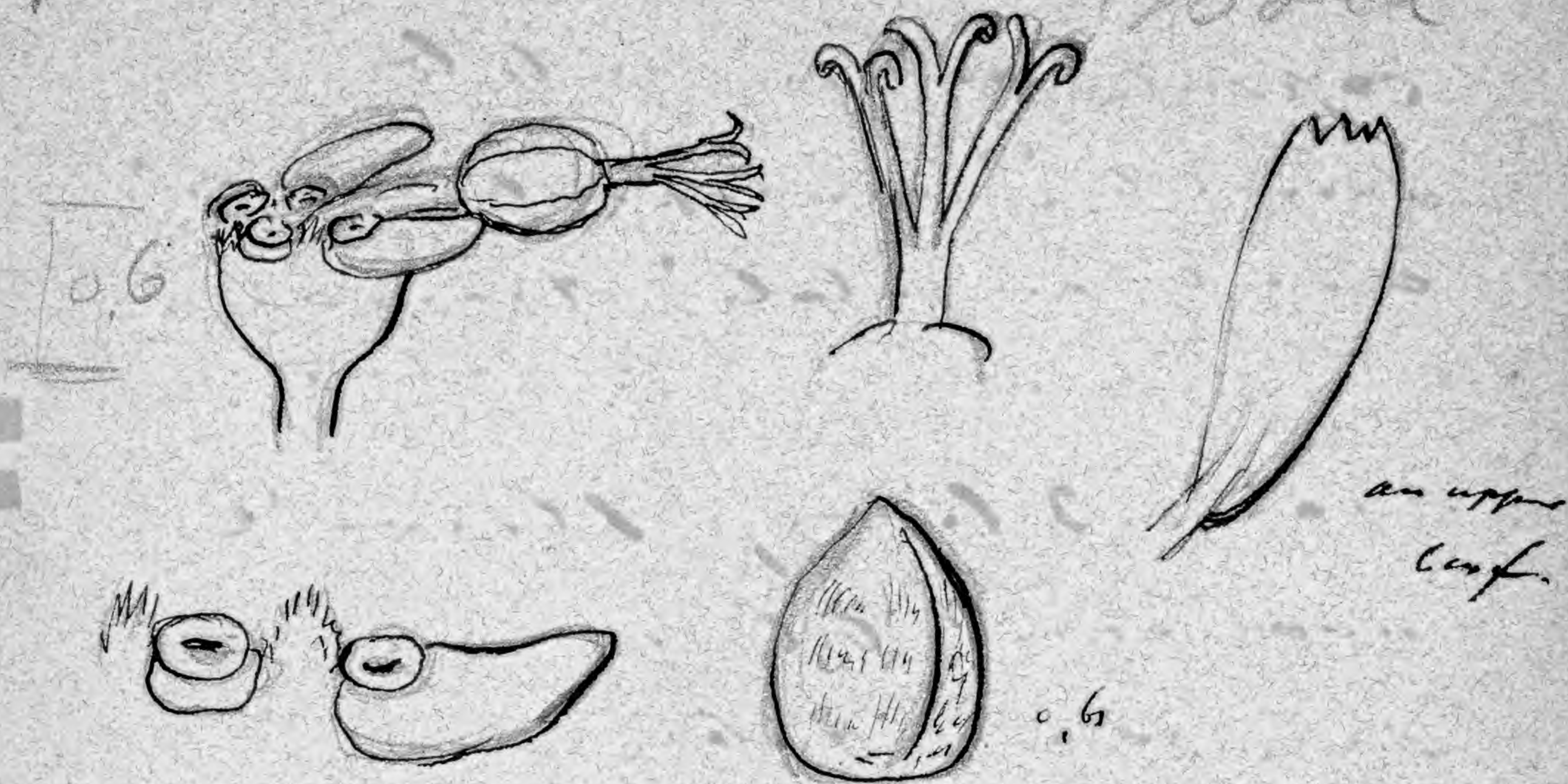
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246

207a



anthera patula <sup>sub</sup> glabrata,cula  
~~capitula inferiora folia~~ ~~plage~~ ~~parva~~  
 folia <sup>sub</sup> ~~infera~~ pubescentia;

folia cuneatis apice truncato  
 dentatis, truncatis

stipulis ovatis, viliosis, pilis

anthod ad apicem ~~anthera~~ ~~manu~~  
 (pene glomeratis) ~~sub~~ ~~angulis~~

involucris campanulatis;  
 glandulis <sup>pubescentibus, bilobatis</sup> ~~antheris~~ ~~angustis~~

margiatis, poster. v. long

late inaequaliter alato appendic

latis (appendice postica producta)

stylis apice bifidis, basi coalitis  
 erectis ovario longioribus



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capsula obtuse angulata  
 semina <sup>late</sup> ovatis subglobosis  
 acutis angulatis transversis  
 undulatis;

leaves 3 l. long, 1 l. wide  
 involucre 0.6 l. long  
 style remarkable  
 seed 0.6 l. long, very broad

Compositae

MISSOURI BOTANICAL GARDEN  
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0 1 2 3 4 5 6 7 8 9 10  
 cm

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PENTSTEMON.

Species.

	à Stück M. Pf.		à Stück M. Pf.		à Stück M. Pf.
Cobaea . . . . .	— 60	latifolius . . . . .	— 60	Scouleri . . . . .	— 75
crispus . . . . .	— 60	ovatus . . . . .	— 60	species nova (Californien) . . . . .	1 50
digitalis . . . . .	— 60	Palmeri . . . . .	3 —	speciosus . . . . .	1 50
» fl. albo . . . . .	— 75	perfoliatus . . . . .	— 60	spectabilis . . . . .	1 50
glaber . . . . .	— 75	procerus . . . . .	— 60	Torreyi . . . . .	— 75
glandulosus . . . . .	— 75	pubescens . . . . .	— 60	tristis . . . . .	— 60
gracilis . . . . .	— 60	pulchellus coccineus . . . . .	— 60	verticillatus . . . . .	— 60
				Wrighti . . . . .	1 50

Garten-Hybriden und Varietäten.

Neuheiten.

No.		No.	
106 Barthélemy St.-Hilaire (Lem.), kirschroth mit weissem Schlund, Blume sehr gross, aufrecht.		105 Hannibal (Dem.), dunkelpurpur mit weissem Schlund.	
107 Brennus (Gerb.), violett, Schlund weiss mit purpur gestrichelt.		112 Junius Brutus (Lem.), dunkelviolett, Schlund weiss, violett geadert.	
103 Burke (Lem.), brillantroth, Schlund weiss gestrichelt, sehr gross.		113 La Suisse (Lem.), violett, Schlund weiss, Blume aufrecht, Wuchs zwergartig.	
109 Colonel Lewal (Lem.), amarantviolett, Schlund weiss mit purpur Adern.		114 Manzoni (Lem.), rosalachsartig und weiss, purpur getigert.	
110 Drapeau national (Lem.), hellviolett mit weissem Schlund.		115 Mirabeau (Lem.), hellroth mit weissem Schlund, sehr gross.	
111 Garnier-Pagès (Lem.), lebhaft zinnoberroth, Schlund weiss gestrichelt.		116 M. Lemarquis (Bert.), carminrosa, Schlund purpur marmorirt.	
		117 Ratazzi (Lem.), kirschrosa, Schlund orange gefleckt.	

Vorstehende Sorten einzeln . . . . . à 1,50 M.  
12 » unserer Wahl . . . . . 12,00 »

Von Anfang Mai ab in jungen Exemplaren zum halben Preis.

No.		No.		No.	
1 Anaïs.		17 gloxiniaeflorus.		9 Linné.	
10 Chr. Klein.		3 Hazaël.		29 magnificus.	
11 coccineus magnificus.		20 intermedius.		32 Marquise d'Hanville.	
12 Comte de Lambertye.		21 Jeanne d'Arc.		35 Mons. de Parpart.	
13 Cyrus, purpurviolett.		4 Lafontaine.		34 » Memminger.	
2 Forester.		7 Le Pyrée.		26 Zampa.	

Einzelne Sorten nach Wahl des Bestellers 60 Pf.  
12 » » unserer Wahl 4,50 M.  
Abgebar von Anfang Mai ab.

PHLOX.

Phlox decussata et omniflora.

Neuheiten.

No.			M. Pf.
150 <b>Boule de feu</b> , durch sein leuchtendes Colorit und die Grösse der Blumen wohl der hervorragendste Phlox . . . . .			à Stück 3 —
			Stecklingspflanzen vom Mai ab a » 1 20
No.		No.	
133 Amalthea (Dem.), weiss mit rosacarmin Auge.		141 Marie de Montesquieu (B.), weiss mit rosa gestreift und gefleckt.	
134 Berenice ( — ), weiss mit rosa schattirt, grosses lebhaftes carmin Auge.		142 M. Christophle (L.), purpurviolett.	
135 Croix d'honneur (Chr.), malvenrosa mit weiss gestreift und gerändert.		143 Phocion (M.), lillarosa mit carmin Auge.	
136 Gedeon (Bert.), lachsrosa mit lebhaft kirschrothem Auge.		144 Ponsard (L.), dunkelrosa mit carmin Auge.	
137 Indépendance (L.), zwergartig, reinweiss.		145 Robinson (B.), rosa mit carmin Schattirung, zwergartig.	
138 La Perle (B.), halbhoch, reinweiss.		146 Rubens (D.), lebhaftrosa, carmin Auge.	
139 Lord Byron (L.), niedrig, reinweiss.		147 Talisman (B.), rosalilla.	
140 Meteor (D.), purpurcarmin mit feurigem Auge.		148 Theseus (M.), lebhaft rosa mit violettem Auge.	
		149 Victor Hugo (L.), feurig lachsroth mit purpur Centrum.	

Vorstehende Sorten einzeln . . . . . à 1,50 M.  
12 » unserer Wahl . . . . . 12 »



## Auswahl der besten älteren Sorten.

No.

- 1 Admiration.  
2 Anaïs Aubert.  
3 Antoine Müller.  
6 Beethoven.  
7 Béranger.  
8 Boule de neige.  
10 Comtesse de Bresson.  
120 » de Fernandona.  
(Lierv.).  
11 Corinne.  
12 Dr. George Lawson.  
13 Dr. Lacroix.  
14 Duguesclin.  
15 Ed. Buesing.  
99 Egérie.  
16 Flore.  
115 Fortunio (Lem.).  
18 Franklin.  
19 Frau Lüttig.  
20 Garibaldi.  
22 Hebe.

No.

- 24 Hofgärtner Fintelmann.  
25 » Vetter.  
26 La candeur (Lierv.).  
60 l'Eblouissant.  
28 Louis Lierval.  
30 Mad. Aubin.  
33 » de Lacroix.  
36 » de Wendel.  
119 » Guilloteaux (Lierv.).  
118 » Marie Saison (Lierv.).  
122 » Moisset (Lierv.).  
35 » Pigny.  
123 » Verlot (Lierv.).  
37 Marie Lacroix.  
38 » Lepaigne.  
106 Météor.  
124 Mons. Conrad (Lierv.).  
107 » Damaizin (Denis).  
125 » de la Vansaye (Lierv.).  
126 » Duchartre (Lierv.).  
39 » F. Ferrand.

No.

- 40 Mons. Forget.  
128 » Guldenschuh (Lierv.).  
41 » Kamm.  
42 » Leboucher.  
130 » Rafarin (Lierv.).  
43 Nec plus ultra (Lierv.).  
44 Parkinspector Petzold.  
46 Princesse Alice.  
48 Prince Troubetzkoy.  
49 Prof. Dr. Koch.  
50 Raphael.  
112 Rêve d'or.  
51 Roi de Bohême.  
52 » Léopold.  
53 Rose Rendatier.  
54 Soeur Géromine.  
55 Souvenir de Fries-Morel.  
131 » de M. Poidevin (Lierv.).  
57 Triomphe de Twickel.  
114 Vierge Marie.

Jede der vorstehenden Sorten einzeln à Stück 60 Pf.

12 Sorten nach Wahl des Bestellers 6 M.

12 » » unserer Wahl . . . 5 »

## PETUNIEN.

Abgebar von Anfang Mai ab.

M. Pf.

12 beste einfache Sorten unserer Wahl 7 50

12 » gefüllte » » » 7 50

## VERBENEN.

Abgebar von Anfang Mai ab.

M.

12 vorzügliche Sorten unserer Wahl . . . 6

12 italienische gestreifte Sorten . . . 6

50 schöne Sorten von allen Klassen . . . 20

12 reinweisse . . . 4

12 scharlachrothe . . . 4

12 rosenrothe . . . 4

12 blaue . . . 4

100 Stück in den 4 Hauptfarben . . . 25

## Georginen. — Dahlias.

Neuheit.

No.

770 **alba camelliaeflora** (Sieckmann), die schönste bis jetzt erzielte weisse Georgine!

Von mittelhohem Wuchs, höher als *alba floribunda nana* oder *Perle* (Mardner), aber ebenso reichblumig wie diese, die Blüthen gut aus dem Laub herausgehend und schön getragen, vereinigt diese Sorte in sich alle Vorzüge, welche die besten bekannten Georginen besitzen. Der Bau der Blume selbst aber ist bis jetzt einzig und kann etwa mit dem einiger Camelliensorten, z. B. der bekannten Prinzessin von Preussen verglichen werden, vollständig imbrüquirt und die Blumenblätter spiralförmig vom Centrum auslaufende Reihen bildend, die ganze Blume von schönster vollendetster Regelmässigkeit . . . Stecklingspflanzen à 1,50, Knöllchen à Stück 3 M.

## Auswahl der vorzüglichsten Sorten.

h hohe, m mittelhohe, n niedrige.

(Alle bunten arten zuweilen aus und werden einfarbig, was in Boden- und Witterungsverhältnissen seinen Grund hat.)

No. Höhe.

6 m. Aglaë Dresch (Courcelle), lilla mit weiss, schöner Bau.

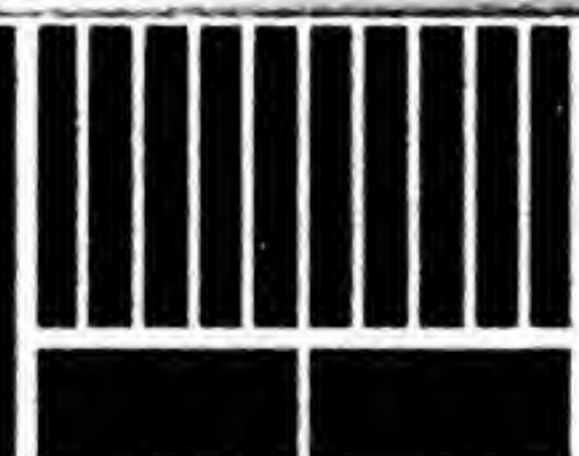
13 n. Alba floribunda nana (Dodd), zwergartig, reichblühend, grosse weisse schön gebaute Blume, extra. 1,00.

No. Höhe.

19 h. Ali-Baba (Dalin), dunkelscharlach.

737 m. Aristides (Rawlings), dunkelcarmoisin mit purpur schattirt.

703 m. Annie Neville (Keynes), weissfleischfarbig, mittelgross, rundlich gewölbt, aufrecht.



0 1 2 3 4 5 6 7 8 9 10

cm

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MISSOURI  
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46

177

lobes entire acute hexagon

acut. lobes

stipulose leaves entire

venulati sub

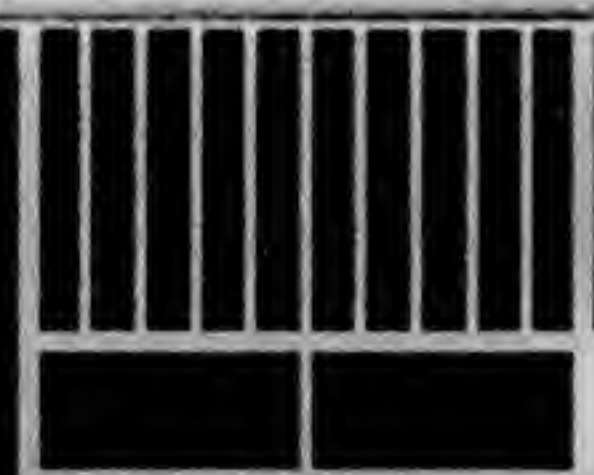
papillose limbo



seed ovate acute

black 1.4 log, rug

verruculose



0 1 2 3 4 5 6 7 8 9 10

cm

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MISSOURI  
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*revised*

7180

da

*Handwritten notes, mostly illegible due to fading and bleed-through.*



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*pk 107*



0 1 2 3 4 5 6 7 8 9 10

cm

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